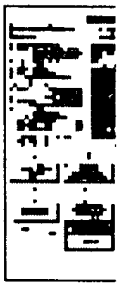
The Delphion Integrated View

Title: **JP1071060A2: SEPARATOR FOR SEALED LEAD-ACID BATTERY**

Country: **JP** Japan
Kind: **A**



Inventor: **WATANABE EJISON;**

Assignee: **WATANABE EJISON**
News, Profiles, Stocks and More about this company

Published / Filed: **1989-03-16** / 1987-09-10

Application Number: **JP1987000227131**

IPC Code: **H01M 2/16;**

Priority Number: 1999-09-08 **JP1999000254323**

Abstract:

PURPOSE: To increase quick-charge capability by forming water absorbing pores with inorganic powder fillers and hydrophobic pores by mechanical or electrical perforation or with water soluble powder by using polyolefin resin as a main material.

CONSTITUTION: Polyolefin resin powder is mixed with inorganic powder such as silica and alumina, and the mixture is kneaded with a plasticizer, then formed in a sheet by extrusion molding. The plasticizer is extracted, and in addition a water soluble substance such as starch is eluted, then the porous sheet obtained is subjected to sulfonation. The sulfonation is conducted with a dilute aqueous solution (10% or below) of fuming sulfuric acid, and only the water absorbing micropores are selectively sulfonated. An electrolyte is absorbed only in the water absorbing micropores and no electrolyte is permeated into the hydrophobic pore 3. Hydrogen ions are permeated through water absorbing micropores and oxygen gas is permeated through hydrophobic pores. The movement of metal anions to a negative electrode through a separator is prevented, however the oxygen gas is permeated to the negative electrode.

INPADOC Legal Status: None **Get Now:** Family Legal Status Report

Family: Show 2 known family members

Other Abstract Info: None